

# SAFETY DATA SHEET

U.S. HazCom GHS Format



Date Issued : 9/11/2014

MSDS No : 38

Date Revised : 2/20/2015

Revision No : 3

## REMOVE HR3

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** REMOVE HR3

**GENERAL USE:** Removes stains from screen-printing mesh

**PRODUCT DESCRIPTION:** Haze Remover

**PRODUCT CODE:** SCRH502, SCRH50200ZG1X5, SCRH50200ZG50C, SCRH50200ZG4X1, SCRH50200GQ001

**PRODUCT FORMULATION NAME:** Alkaline Paste

**ACTIVE INGREDIENT(S):** Sodium Hydroxide

#### MANUFACTURER

SAATI

Chemicals

201 Fairview St. Extension

Fountain Inn, SC 29644

**Emergency Contact:** Ross Balfour

**Emergency Phone:** 847-942-1719

**Alternate Emergency Phone:** 864-601-8710

**Customer Service:** 800-431-2200

**Transportation:** 864-601-8305

**E-Mail:** info.us@saati.com, <http://msds.saatiexpress.com>

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC 800-535-5053 or 352-323-3500, 24-hours  
everyday

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Skin Corrosion, Category 1

Serious Eye Damage, Category 1

Acute Toxicity (Oral), Category 4

Acute Toxicity (Dermal), Category 4

#### GHS LABEL



GHS05



GHS07

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

H302: Harmful if swallowed.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P270: Do not eat, drink or smoke when using this product.

##### Response:

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage:**

P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container in accordance with federal/state/local regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Paste

**IMMEDIATE CONCERNS:** Causes severe skin burns and eye damage.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Propylene Glycol Phenyl Ether	20 - 50	770-35-4
Sodium Hydroxide	10 - 30	1310-73-2
2-Pyrrolidinone, 1-cyclohexyl	5 - 20	6837-24-7
Cocamide Dea	1 - 15	68603-42-9
Disodium Cocoampho Dipropionate	1 - 10	68604-71-7

**4. FIRST AID MEASURES**

**EYES:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**SKIN:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**ADDITIONAL INFORMATION:** Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**5. FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**HAZARDOUS COMBUSTION PRODUCTS:** Not Available

**FIRE FIGHTING EQUIPMENT:** Wear self contained breathing apparatus for fire fighting if necessary.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Available

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Clean surface thoroughly to remove residual contamination.

**LARGE SPILL:** Wear suitable protective equipment. Do not touch or walk through spilled material. Contain spillage, soak up with absorbent material such as sand, earth, vermiculite and transfer to a container for disposal according to local/state/federal regulations. Flush spill area with water.

**ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Do not allow uncontrolled discharge of product into the environment.

**COMMENTS:** Never return spills to original containers for re-use.

**7. HANDLING AND STORAGE**

**HANDLING:** Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors. Wash thoroughly after handling.

**STORAGE:** Keep only in original container. Keep container closed. Store containers in a cool, well-ventilated place. Avoid contact with eyes, skin, and clothing. Avoid breathing mist. Wash thoroughly after handling.

**SHELF LIFE:** 24 months

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
			EXPOSURE LIMITS
			OSHA PEL
Chemical Name		TWA	ppm      mg/m <sup>3</sup>
Sodium Hydroxide			2

**ENGINEERING CONTROLS:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

**SKIN:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**RESPIRATORY:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

**PROTECTIVE CLOTHING:** Wear gloves, coveralls, apron, boots as necessary to avoid contact.

**WORK HYGIENIC PRACTICES:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Paste

**ODOR:** Aromatic

**COLOR:** White to pale yellow

**pH:** 14

**PERCENT VOLATILE:** Not Available

**FLASH POINT AND METHOD:** Not Available

**FLAMMABLE LIMITS:** Not Available

**AUTOIGNITION TEMPERATURE:** Not Available

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** Not Available

**BOILING POINT:** Not Available

**FREEZING POINT:** Not Available

**MELTING POINT:** Not Available

**POUR POINT:** Not Available

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not Available

**SPECIFIC GRAVITY:** 1.125

**VISCOSITY:** Not Available

**MOLECULAR WEIGHT:** Not Available

**(VOC):** 98.900 g/L

**OXIDIZING PROPERTIES:** Not Available

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Not Available

**POSSIBILITY OF HAZARDOUS REACTIONS:** Not Available

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Available

**INCOMPATIBLE MATERIALS:** Strong Oxidizing Agents, Acids, Organic materials, Chlorinated Solvents, Aluminum, Phosphorus,

Tin/tin oxides, Zinc

**11. TOXICOLOGICAL INFORMATION****ACUTE**

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Propylene Glycol Phenyl Ether	2830 to 3730	> 2000	
Sodium Hydroxide	2000 mg/kg [Rat]		
2-Pyrrolidinone, 1-cyclohexyl	657 mg/kg	1600 mg/kg	120 ppm/1H
Cocamide Dea	> 10000 mg/kg [Rat]		

**DERMAL LD<sub>50</sub>:** Not yet determined for this product**ORAL LD<sub>50</sub>:** Not yet determined for this product**INHALATION LC<sub>50</sub>:** Not yet determined for this product**EYE EFFECTS:** Causes serious eye damage.**SKIN EFFECTS:** Causes severe skin burns.**CARCINOGENICITY**

Chemical Name	NTP Status	IARC Status	OSHA Status
Sodium Hydroxide	Not Listed	Not Listed	Not Listed

**IARC:** 2B: Possibly carcinogenic to humans ( Cocamide DEA)**NTP:** Not listed**OSHA:** Not listed**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

**BIOACCUMULATION/ACCUMULATION:** CAS # 6837-24-7 NOT rapidly biodegradable; CAS # 68603-42-9 Rapidly biodegradable; CAS # 770-35-4 Biodegradation reached in Manometric Respirometry Test (OECD Test No.301 F): 72 % (max. value reached within 28 days). Material is readily biodegradable. Passes OECD Test(s) for ready biodegradability. Biodegradation rate may increase in soil and/or water with acclimation

**Notes:** CAS # 770-35-4: Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 280 mg/l; CAS # 1310-73-2 Toxicity to fish LC50 - Freshwater fish 45.4 mg/L LC50 96 h; CAS # 770-35-4;CAS # 6837-24-7 LC50 - for Fish. > 316 mg/l/96h din 38412 / 15; < 464; Leuciscus idus, EC50 - for Algae / Aquatic Plants. 3400 mg/l/16h DIN 38412 parte 8; Pseudomonas putida; CAS # 68603-42-9 LC50 - for Fish. 4 mg/l/96h, EC50 - for Crustacea. 2,3 mg/l/48h

**13. DISPOSAL CONSIDERATIONS**


**DISPOSAL METHOD:** Dispose of in accordance with all current local, state and federal regulations.

**COMMENTS:** Disposal must be performed through an authorized waste management firm, in compliance with national, state and local regulations. Do not contaminate soil, sewers and waterways.


**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:**

	DOT CLASSIFICATION
UN number	UN 3262
UN proper shipping name	Corrosive solid, basic, inorganic, n.o.s. (sodium hydroxide)
Transport hazard class	8
Packing group	III
Label	

**SPECIAL SHIPPING NOTES:** Protect from freezing.  
**AIR (ICAO/IATA)**  
**SHIPPING NAME:**

	IATA
UN number	UN 3262
UN proper shipping name	Corrosive solid, basic, inorganic, n.o.s. (sodium hydroxide)
Transport hazard class	8
Packing group	III
Passenger air max	25 KG Packages may not exceed 30kg gross weight
Label	

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD,  
**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** None

#### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** CAS# 1310-73-2: final RQ = 1000 pounds (454 kg)

**THRESHOLD QUANTITY:** 1000 pounds

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** Sodium Hydroxide = 1000

Chemical Name	Wt.%	CERCLA RQ
Sodium Hydroxide	10 - 30	1,000

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Propylene Glycol Phenyl Ether	770-35-4
Sodium Hydroxide	1310-73-2
2-Pyrrolidinone, 1-cyclohexyl	6837-24-7
Cocamide Dea	68603-42-9

**TSCA REGULATORY:** All components of this product are listed, or are exempt from listing on the TSCA 8(b) inventory.

**CLEAN AIR ACT**

**40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** None

**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)**

**29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** None

**REGULATIONS**

**STATE REGULATIONS:** CAS# 1310-73-2 CA Hazardous Substance, Delaware Air Quality Management, Idaho Air Pollutant, Massachusetts Hazardous Substance, Minnesota Hazardous Substance, New Jersey RTK Hazardous Substance, New York Hazardous Substance, Pennsylvania Hazardous Substance, Washington PELs for Air Contaminants, Wisconsin Hazardous Air Contaminant, CAS # 6837-24-7 Pennsylvania Right To Know Component, New Jersey Right To Know Component, CAS # 770-35-4 Pennsylvania Right To Know Component, New Jersey Right To Know Component

**CALIFORNIA PROPOSITION 65:** CAS # 68604-71-7

**CANADA**

**WHMIS HAZARD SYMBOL AND CLASSIFICATION**



Corrosive



Toxic

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Controlled Product

**WHMIS CLASS:** D, E

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components of this product are listed on the Domestic Substances List.

**16. OTHER INFORMATION**

**REASON FOR ISSUE:** U.S. HazCom GHS Format

**APPROVED BY:** Ross Balfour **TITLE:** Global Business Unit Manager

**PREPARED BY:** SDS Regulatory Specialist

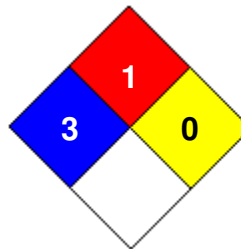
**INFORMATION CONTACT:** Kathy Tylka

**REVISION SUMMARY:** This MSDS replaces the 2/6/2015 MSDS.

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>3</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	<b>C</b>

**NFPA CODES**



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